

## SPECTROMETRIC QUANTITATION OF TRIGLYCERIDE MOLECULAR SPECIES

### ABSTRACT OF THE DISCLOSURE

A method for determination of at least one of the triglyceride molecular species in a biological sample comprising the subjecting sample to lipid extraction to obtain a lipid extract and subjecting the resulting lipid extract to 2D electrospray ionization tandem mass spectrometry (ESI/MS/MS) with neutral loss scanning of all naturally occurring aliphatic chains and contour analysis of 2D intercept peaks. A method for determination of triglyceride content and/or TG molecular species directly from a lipid extract of a biological sample comprising subjecting said lipid extract to electrospray ionization tandem mass spectrometry.